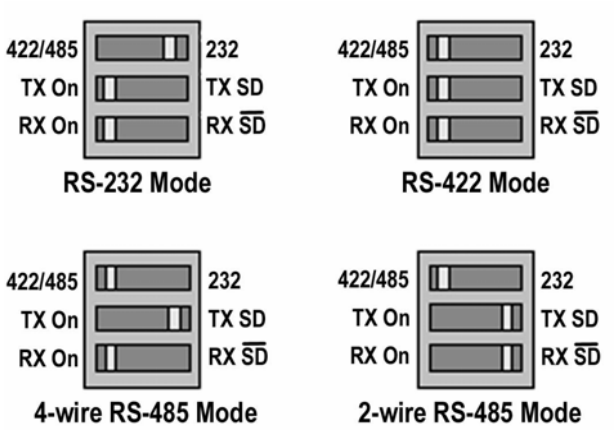
Quick Start Guide

MIPort™ Universal PCI Cards

Models: 3PCIU2, 3PCIU4, 3PCIU8

3PCIOU1, 3PCIOU2, 3PCIOU4



RS-232/422/485 DIP Switch Settings

RS-422/485 DIP Switch Settings

1 Check Package Content

☐ MIPort™ Universal PCI Card
☐ Printed version of this Quick Start Guide
☐ CD ROM containing software and a comprehensive manual
☐ Depending on model, a cable and/or expansion slot bracket may be included. Refer to the MIPort Datasheet.

2 Hardware Installation

☐ Caution: Ensure your PC is powered OFF before installing the MIPort™ PCI Card.

☐Caution: Use ESD Precautions for safe handling.

☐Configure the serial mode for each port. DIP Switch settings are shown on the left. Refer to the manual for detailed information.

☐Install the MIport™ in a PCI Expansion Slot.

3 Driver Installation

☐ Read this entire section before continuing.

☐ Boot the PC.

☐ Insert the driver CD. The CD contains drivers for Windows 98, ME, NT 4.0, 2K, 2003 Server, XP, Vista, and Linux 2.4

☐ Wait until the new hardware is detected and follow the instructions in the Add New Hardware Wizard.

NOTE: Drivers are contained on the CD. Do not have Windows attempt to locate them on the Windows Web Site.
NOTE: A dialog box may appear stating that the drivers do not contain the Windows XP Logo. Select "Continue Anyway."
NOTE: Drivers will be installed for the card AND each port on the card. DO NOT ABORT OR CANCEL INSTALLATION BEFORE ALL PORTS ARE INSTALLED.

4 Setting Data Rate / RTS Control

☐ In Windows, open the System Properties dialog box.

☐ On the Hardware Tab, select Device Manager.

☐ Expand the Ports List (COM & LPT), double click the name of the port you want to configure.

☐ On the Port Properties dialog box, click the Port Settings tab.The dialog box will display the current settings for bits per second, data bits, parity, stop bits and flow control.

☐ Click Advanced. The Advanced Port Settings dialog box will appear. Under RTS Control, click Normal for RS-232 Mode and RS-485 Mode for RS-485 Mode. RTS Control can be in either mode for RS-422.

5 Testing the MIport PCI cards RS-232

See Chapter 9 and Appendix C of the manual for more details.

☐ Create loopback plugs or short TD and RD on RS-232 connector for each port. See step 8 for pinout.

☐ Install and run Comtest (included with the CD).

☐ Open the COM number that was created in step 3 for each port and send data.

☐ If you are able to receive data, installation is complete. If not, double check the installation.

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6 Testing the MIport PCI cards RS-422 / 4-wire RS-485

See Chapter 9 and Appendix C of the manual for more details.

☐ Connect TD(A) to RD(A) and TB(B) to RD(B). See step 9 for pinout.

☐ Install and run Comtest (included with the CD).

☐ Open the COM number that was created in step 3 for each port and send data.

☐ If you are able to receive data, installation is complete. If not, double check the installation.

7 Testing the MIport PCI cards 2-Wire RS-485

See Chapter 9 and Appendix C of the manual for more details.

☐ Install Comtest (included with the CD).

☐ For multi-port models, cross connect one port to another and run separate instances of Comtest for each port. If you are able to send and receive data, installation is complete. If not, double check the installation.

☐ For the single-port model, communicate with an external device or test the port in RS-232 or RS-422/485 4-wire mode.

8 RS-232 Pinout (DTE)

Name	Direction	DB9M Pin
DCD	Input	1
RD	Input	2
TD	Output	3
DTR	Output	4
GND	------	5
DSR	Input	6
RTS	Output	7
CTS	Input	8
RI	Input	9

9 RS-422/485 Pinout

Name	Direction	DB-9M Pin
RD(A) −	Input	1
TD(B) +	Output	2
TD(A) −	Output	3
GND	------	5
RD(B) +	Input	9

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